IV-IPPTZ4MPIR-DH

4MP 30x IR PTZ Network Camera

System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the PDN59 series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 50/60 fps, with 30x optical zoom. PDN59 series PTZ is equipped with quick and smooth control, high quality image and good protection, which makes it can meet most of the requirements of video surveillance applications.

Functions

Wide Dynamic Range
Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, true WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Auto-tracking
The camera supports auto-tracking. The tracking action can be triggered manually or automatically by defined rules. Once rules are triggered, the camera can zoom in and track the defined target automatically.

H.265
The camera supports H.265 encoding, which provides a savings of more than 50% of bandwidth and storage compared with H.264. This technology can help our customers to reduce the cost of the project and improve the transmission efficiency.

Environmental
With a temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

Protection
This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Interoperability
The camera conforms to the ONVIF (Open Network Video Interface Forum) and PSIA (Physical Security Interoperability Alliance) specifications, ensuring interoperability between network video products regardless of manufacturer.
## Technical Specification

### Camera
- **Image Sensor**: 1/3" CMOS
- **Effective Pixels**: 2592(H) x 1520(V), 4 Megapixels
- **RAM/ROM**: 1024M/128M
- **Scanning System**: Progressive
- **Minimum Illumination**: Color: 0.05Lux@F1.6; 0Lux@F1.6(IR on)
- **S/N Ratio**: More than 55dB
- **IR Distance**: Distance up to 100m (328ft)
- **IR On/Off Control**: Auto/Manual
- **IR LEDs**: 4

### Lens
- **Focal Length**: 4.5mm~135mm
- **Max. Aperture**: F1.6 ~ F4.4
- **Angle of View**: H: 60° ~ 2.2°
- **Optical Zoom**: 30x
- **Focus Control**: Auto/Manual
- **Close Focus Distance**: 100mm~1000mm

### PTZ
- **Pan/Tilt Range**: Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, auto flip 180°
- **Manual Control Speed**: Pan: 0.1°~300° /s; Tilt: 0.1°~200° /s
- **Preset Speed**: Pan: 400° /s; Tilt: 300° /s
- **Presets**: 300
- **PTZ Mode**: 5 Pattern, 8 Tour, Auto Pan, Auto Scan

### Speed Setup
- **Power up Action**: Auto restore to previous PTZ and lens status after power failure

### Idle Motion
- **Activate Preset/Scan/Tour/Pattern if there is no command in the specified period

### Protocol
- **Ethernet**: RJ-45 (10/100Base-T)
- **IPv4/IPv6, HTTP, HTTPS, IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x

### Interoperability
- **ONVIF, PSIA, CGI

### Streaming Method
- **Streaming**: Unicast / Multicast
- **Max. User Access**: 20 users

### Edge Storage
- **NAS (Network Attached Storage), Local PC for instant recording**: 128GB

### Web Viewer
- **IE10/Google/Firefox/Safari...

### Management Software
- **Smart PSS, DSS

### Smart Phone
- **iPhone, iPad, Android, Windows Phone

### Certifications
- **CE: EN55032/EN55024/EN50130-4
- FCC: Part15 subpartB, ANSI C63.4-2014
- UL: UL60950-1+CAN/CSA C22.2,No.60950-1

### Interface
- **Video Interface**: N/A
- **Audio Interface**: 1/1
- **RS485**: N/A
- **Alarm**: 2/1

### Electrical
- **Power Supply**: AC24V/3A(±10%), PoE+(802.3at)
- **Power Consumption**: 13W, 23W (IR on)

### Video
- **Compression**: H.265/H.264 / MJPEG
- **Streaming Capability**: 3 Streams
- **Resolution**: 4M(2592x1520)/3M(2304x1296)/1080P(1920x1080)/720P(1280x720)/D1(704x576)/CIF(352x288)
- **Main stream**: 4M/3M/1.3M/720P (1~25/30fps), 1080P(1~50/60fps)
- **Frame Rate**: Sub stream1: D1/CIF (1~25/30fps)
- **Sub stream2**: 1080P /1.3M/720P (1~25/30fps)

### Bit Rate Control
- **CBR/VBR

### Network
- **IP Filter, QoS, Bonjour, 802.1x

### Audio
- **Compression**: G.711a/G.711Mu/AAC/G.722 / G.726/G.729/ MPEG2-L2
Environmental

<table>
<thead>
<tr>
<th>Operating Conditions</th>
<th>-40°C ~ 70°C (40°F ~ +158°F) / Less than 90% RH</th>
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<tbody>
<tr>
<td>Ingress Protection</td>
<td>IP66</td>
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<tr>
<td>Vandal Resistance</td>
<td>N/A</td>
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Construction

<table>
<thead>
<tr>
<th>Casing</th>
<th>Metal</th>
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<tr>
<td>Dimensions</td>
<td>Ø186.0(mm) x 309(mm)</td>
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<tr>
<td>Net Weight</td>
<td>3.5kg(7.72lb)</td>
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<tr>
<td>Gross Weight</td>
<td>6.8kg(14.99lb)</td>
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Accessories

Included:

- PFB300S Wall Mount
- PFA110 Mount Adapter
- AC24V/3A Power Supply

Optional:

- PFA140 Power box
- PFB300C Ceiling Mount
- PFA120 Junction Box
- PFA150 Pole Mount
- PFA151 Corner Mount
- PFB303S Parapet Mount

Dimensions (mm)

![Dimensions Diagram]